

30. An electrolytic cell, comprising:
an electrolyte container;
a plurality of electrical contacts positioned in an electrolyte container, the plurality of electrical contacts defining a processing plane;
a plurality of concentric anode segments positioned in the electrolyte container, wherein an upper surface of each of the plurality of anode segments is in direct line of sight of the entire processing plane; and
an electrical source coupled to each of the anode segments.
31. The electrolytic cell of claim 30, further comprising insulating members positionable between adjacent segments of the plurality of anode segments.
32. The electrolytic cell of claim 31, wherein a vertical distance between the plurality of anode segments and the processing plane is less than a vertical distance between the insulating members and the processing plane.
33. The electrolytic cell of claim 30, further comprising an anode base, wherein at least one of the plurality of anode segments is mounted to at least one anode support mounted on the anode base.
34. The electrolytic cell of claim 33, wherein each anode support is connected to at least one of the plurality of anode segments.
35. The electrolytic cell of claim 33, further comprising insulating members positioned between adjacent segments of the plurality of anode segments and below the upper surface of the plurality of anode segments.
36. An electrolytic cell, comprising:
an electrolyte container;
a plurality of electrical contacts positioned in the electrolyte container, the plurality of electrical contacts defining a processing plane;

a plurality of concentric anode segments positioned in the electrolyte container;
and

insulating members positioned between adjacent segments of the plurality of anode segments, wherein a vertical distance between the plurality of anode segments and the processing plane is less than a vertical distance between the insulating members and the processing plane.

37. The electrolytic cell of claim 36, wherein at least two of the plurality of anode segments have substantially coplanar upper segment surfaces.

38. The electrolytic cell of claim 36, wherein at least two of the plurality of anode segments have substantially coplanar lower segment surfaces.

39. The electrolytic cell of claim 36, further comprising an electrical source coupled to each of the plurality of anode segments.

40. (Canceled) The electrolytic cell of claim 36, wherein an upper surface of each of the plurality of anode segments is in direct line of sight of the entire processing plane.

41. The electrolytic cell of claim 36, further comprising an anode base, wherein at least one of the plurality of anode segments is mounted to at least one anode support mounted on the anode base.

42. The electrolytic cell of claim 41, wherein each anode support is connected to at least one of the anode segments.

43. (Canceled) An electrolytic cell, comprising:
an electrolyte container;
a plurality of electrical contacts positioned in the electrolyte container, the plurality of electrical contacts defining a processing plane;

a plurality of concentric anode segments positioned in the electrolyte container and adapted to generate a substantially uniform electric field across the width of the electroplating cell; and

insulating members positioned between adjacent segments of the plurality of anode segments.

44. (Canceled) The electrolytic cell of claim 43, further comprising electrolyte solution that contacts the plurality of anode segments, wherein electrolyte solution that is between adjacent anode segments contacts both of the adjacent anode segments.

45. (Canceled) The electrolyte solution of claim 43, wherein one of the plurality of anode segments is capable of generating electric flux lines that extend outside the processing plane.

46. (Canceled) The electrolyte cell of claim 43, further comprising an electrical source coupled to each of the plurality of anode segments.

47. (Canceled) The electrolyte cell of claim 43, wherein an upper surface of each of the plurality of anode segments is in direct line of sight of the entire processing plane.

48. (Canceled) The electrolyte cell of claim 43, wherein a vertical distance between the plurality of anode segments and the processing plane is less than a vertical distance between the insulating members and the processing plane.

49. (Canceled) The electrolyte cell of claim 48, wherein an upper surface of each of the plurality of anode segments is in direct line of sight of the entire processing plane.

Please add the following new claims:

50. (New) The electrolytic cell of claim 36, further comprising electrolyte solution that contacts the plurality of anode segments, wherein electrolyte solution that is between adjacent anode segments contacts both of the adjacent anode segments.

D, 51. (New) An electrolytic cell, comprising:

an electrolyte container;

a plurality of electrical contacts positioned in the electrolyte container, the plurality of electrical contacts defining a processing plane;

a plurality of concentric anode segments positioned in the electrolyte container, wherein an upper surface of each of the plurality of anode segments is in direct line of sight of the entire processing plane; and

insulating members positioned between adjacent segments of the plurality of anode segments, wherein a vertical distance between the plurality of anode segments and the processing plane is less than a vertical distance between the insulating members and the processing plane.

52. (New) The electrolytic cell of claim 51, further comprising electrolyte solution that contacts the plurality of anode segments, wherein electrolyte solution that is between adjacent anode segments contacts both of the adjacent anode segments.

53. (New) The electrolytic cell of claim 51, further comprising an electrical source coupled to each of the plurality of anode segments.

54. (New) An electrolytic cell, comprising:

an electrolyte container;

a plurality of electrical contacts positioned in the electrolyte container, the plurality of electrical contacts defining a processing plane;

a plurality of concentric anode segments positioned in the electrolyte container; and

insulating members positioned between adjacent segments of the plurality of anode segments, wherein an upper surface of the insulating members is further from